

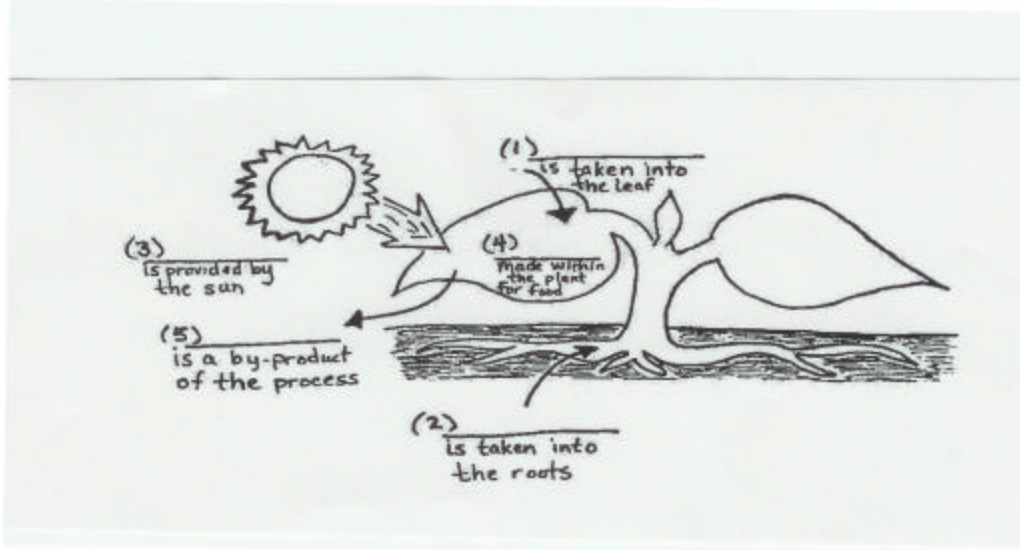
**FOOD, LAND, AND PEOPLE
FCAT ASSESSMENT QUESTIONS
PRE/POST TEST**

GIFTS FROM THE SUN

Please select the **best** answer. Use the diagram for questions 1 and 2.

1. SC.G.1.2.3 (AA)

The diagram below represents the process of photosynthesis that occurs in green plants.



What does # 1 represent during the process of photosynthesis?

- A. Carbon dioxide (CO_2)
- B. Energy
- C. Oxygen (O_2)
- D. Water (H_2O)

2. SC.G.1.2.3 (AA)

What does # 5 represent during the process of photosynthesis?

- A. Carbon dioxide (CO_2)
- B. Energy
- C. Oxygen (O_2)
- D. Water (H_2O)

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3. SC.G.1.2.3 (AA)

The process of photosynthesis is like a puzzle. All of the pieces must be in place for the puzzle to be complete. Which answer is NOT a piece of the process of photosynthesis?

- A. Chlorophyll
- B. Soil
- C. Carbon dioxide
- D. Sunlight

4. SC.A.1.2.5

During photosynthesis, a gas combines with water in the presence of sunlight and chlorophyll to make sugar. A new gas is given off. What type of change has occurred during this process?

- A. Chemical change
- B. Physical change
- C. Pressure change
- D. Temperature change

5. SC.B.1.2.1(AA) SC.B.2.2.1

The Sun is one of a billion stars. It is closer to the Earth than all the other stars. The Sun provides many gifts to the Earth such as helping in navigation, creating weather patterns, and causing the seasons. Which answer is NOT a benefit from the sun?

- A. The sun provides energy for the water cycle.
- B. The sun provides food for plants and animals.
- C. The sun provides Vitamin D for humans.
- D. The sun provides minerals for the soil.

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Performance Task: SC.B.1.2.1, SC.G.1.2.5, SC.F.1.2.2, SC.G.1.2.3

When volcanoes erupt, they send out great amounts of ash and dust. This can create a cloud that blocks heat and light from the sun. Scientists think this event has occurred in the earth's history. Suppose this event happened today and sunlight was blocked from the earth for a long period of time. Write a short report explaining how this event would affect the process of photosynthesis, plants, and animals.